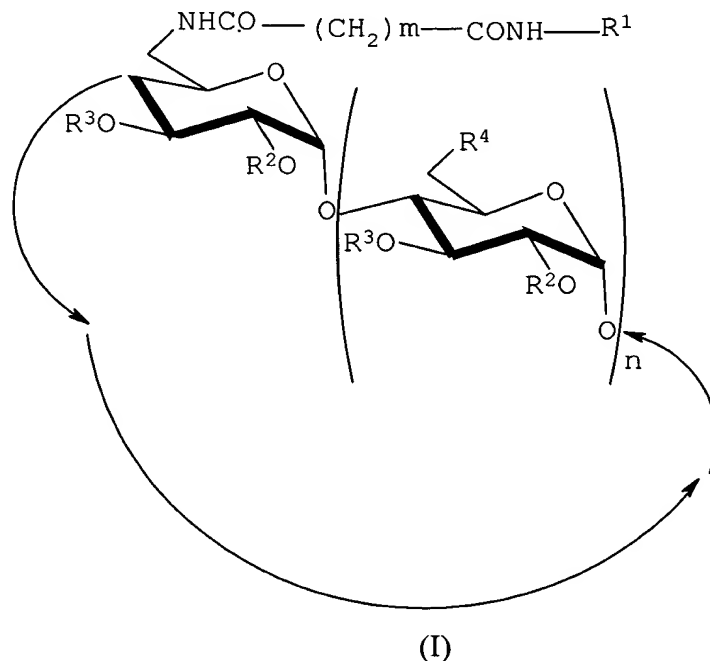


AMENDMENTS TO THE CLAIMS

1. - 16. (Cancelled)

17. (Currently Amended) Amphiphilic cyclodextrin derivative complying with the formula:



wherein:

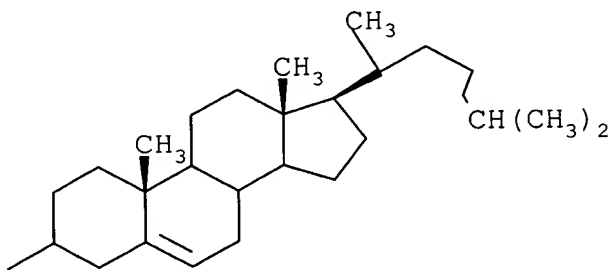
- R^1 represents ~~a group derived from~~ a steroid,
- R^2 represents an alkyl or aryl group, substituted if applicable,
- R^3 represents H or R^2 ,
- all the R^4 represent OR^2 , or
- one of the R^4 represents $-NHCO(CH_2)_mCONHR^1$, and the other R^4 represent OR^2

provided that there is at least one glucose unit where R^4 represents OR^2 between the two glucose units comprising the substituent $-NHCO-(CH_2)_m-CONH-R^1$,

- m is an integer ranging from 1 to 8, and

- n is equal to 5, 6 or 7.

18. (Previously Presented) Cyclodextrin derivative according to claim 17 wherein R^1 represents the group according to the formula:



(III)

19. (Previously Presented) Cyclodextrin derivative according to claim 17, wherein all the R^4 represent OR^2 .

20. (Previously Presented) Cyclodextrin derivative according to claim 17, wherein R^2 represents the methyl group and R^3 represents a hydrogen atom.

21. (Previously Presented) Cyclodextrin derivative according to claim 17, wherein n is equal to 6.

22. (Previously Presented) Cyclodextrin derivative according to claim 17, wherein m is equal to 2.

23. (Previously Presented) Cyclodextrin derivative according to claim 18, wherein all the R^4 represent OR^2 .

24. (Previously Presented) Cyclodextrin derivative according to claim 18, wherein R^2 represents the methyl group and R^3 represents a hydrogen atom.

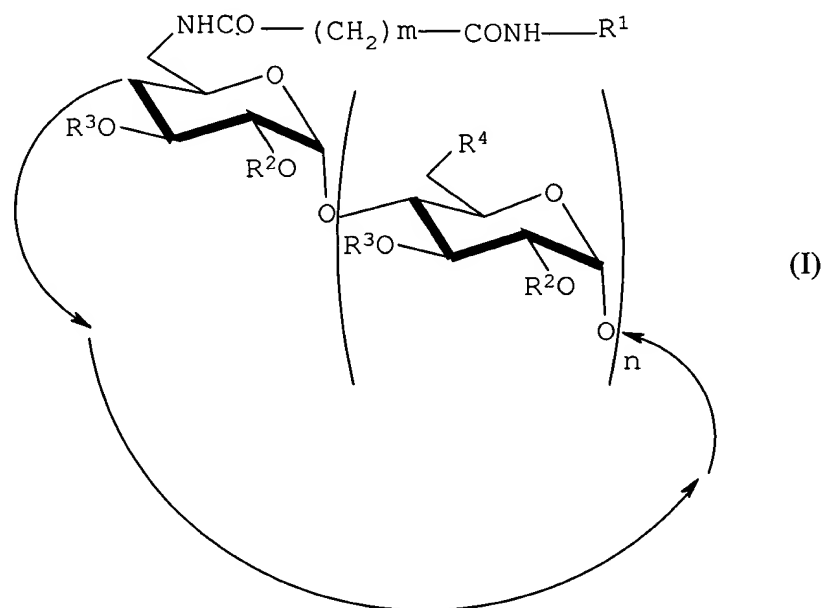
25. (Previously Presented) Cyclodextrin derivative according to claim 18, wherein n is equal to 6.

26. (Previously Presented) Cyclodextrin derivative according to claim 18, wherein m is equal to 2.

27. (Previously Presented) Mono-6-(cholest-5-en-3 α -ylamide)succinylamide-6-deoxy-2,2',2'',2''',2''''',2''''',6',6'',6''',6''''',6'''''-trideca-O-methyl-cyclomaltoheptaose.

28. (Currently Amended) Method to prepare a cyclodextrin derivative according to the formula:

wherein:



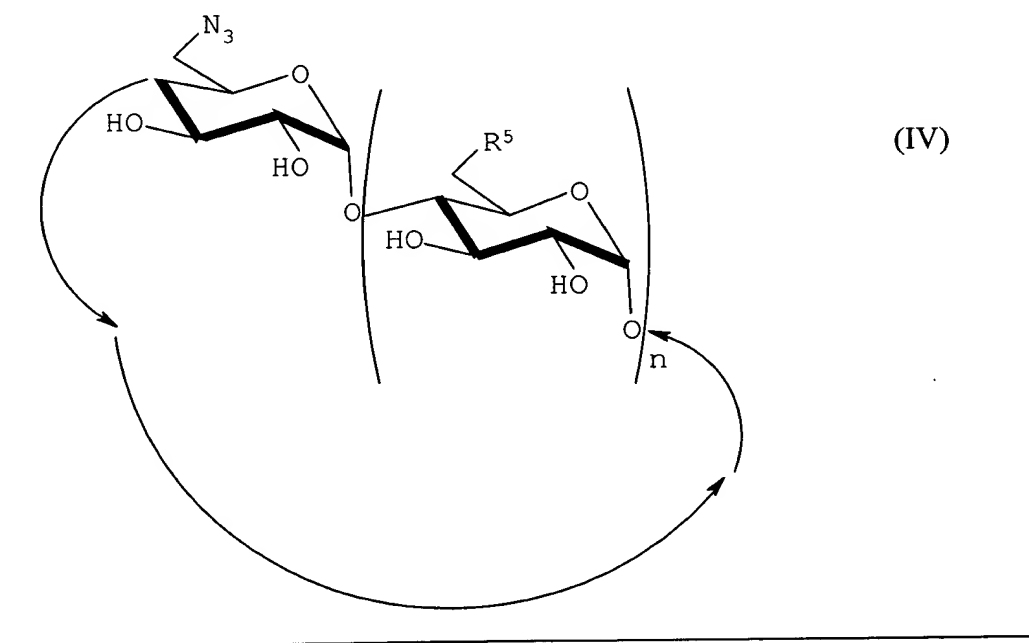
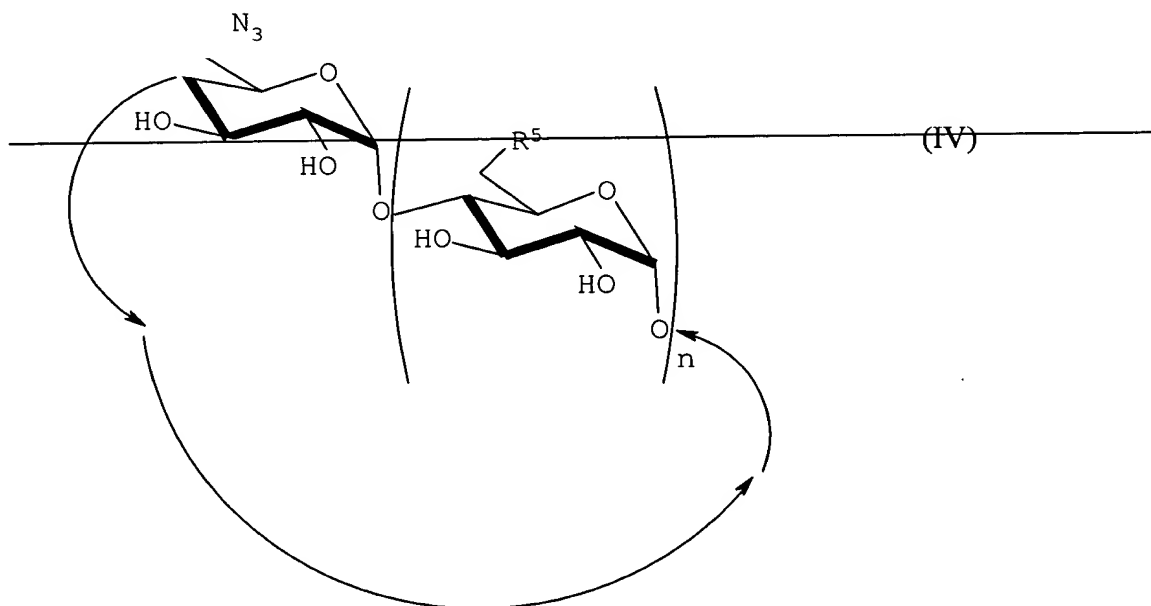
- R¹ represents a ~~group derived from~~ a steroid,
- R² represents an alkyl or aryl group, substituted if applicable,
- R³ represents H,
- all the R⁴ represent OR², or
- one of the R⁴ represents -NHCO(CH₂)_mCONHR¹, and the other R⁴ represent OR²

provided that there is at least one glucose unit where R⁴ represents OR² between the two glucose units comprising the substituent -NHCO-(CH₂)_m-CONH-R¹,

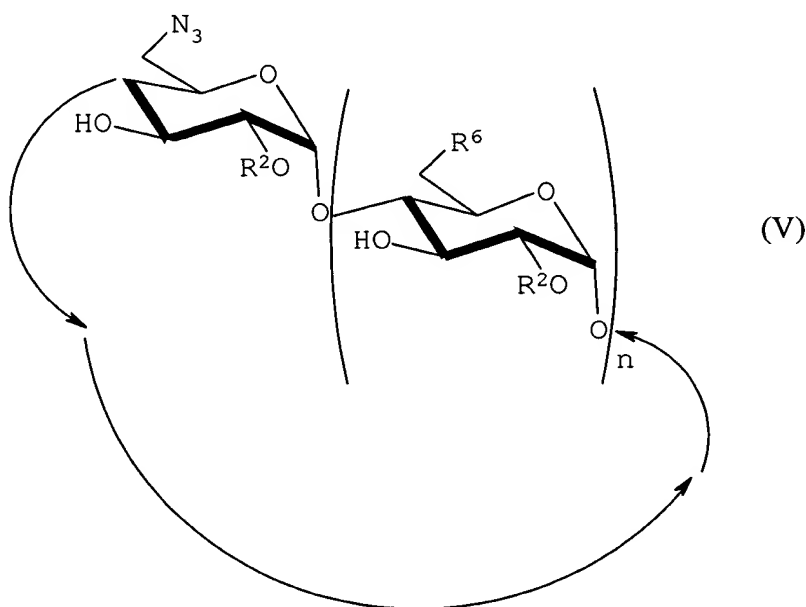
- m is an integer ranging from 1 to 8, and
- n is equal to 5, 6 or 7,

which comprises the following steps:

a) react a derivative according to the formula:

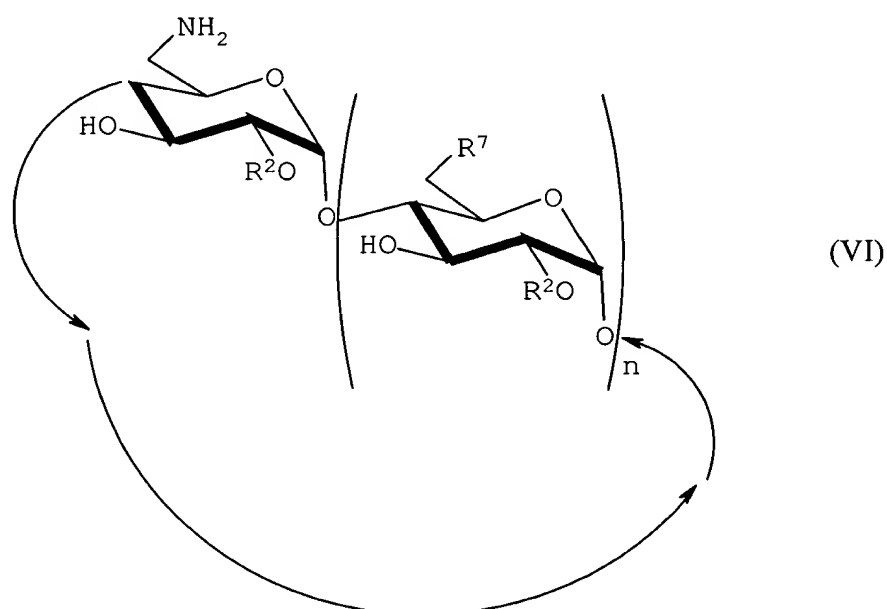


wherein all the R^5 represent OH, or one of the R^5 represents $-N_3$ and the other R^5 represent OH, provided that there is at least one glucose unit where R^5 represents OH between the two glucose units comprising the N_3 substituent, and n is equal to 5, 6 or 7, with a dialkyl sulfate $SO_4R^2_2$ where R^2 has the significance given above, in a basic medium to obtain the cyclodextrin derivative according to the formula:



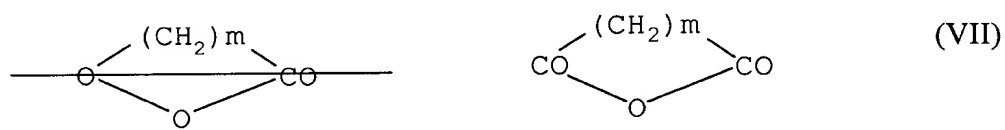
wherein all the R^6 represent OR^2 , or one of the R^6 represents N_3 and the other R^6 represent OR^2 , and R^2 and n are as defined above,

b) perform a Staudinger reaction on the derivative according to formula (V) using triphenylphosphine and ammonia to convert N_3 into NH_2 and obtain the derivative according to the formula:

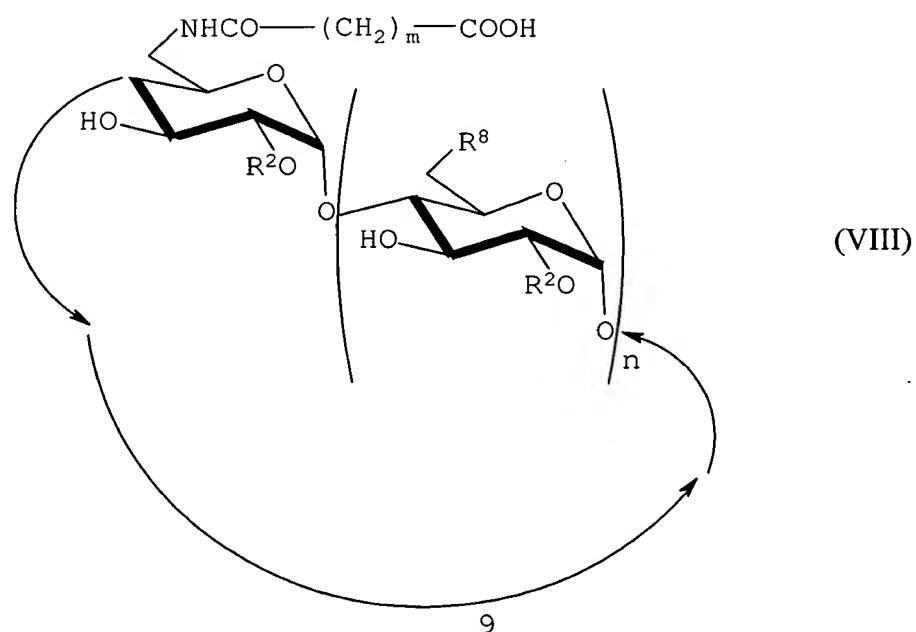


wherein all the R^7 represent OR^2 , or one of the R^7 represents NH_2 and the other R^7 represent OR^2 , and R^2 and n are as defined above,

c) react the derivative according to formula (VI) with an acid anhydride according to the formula:



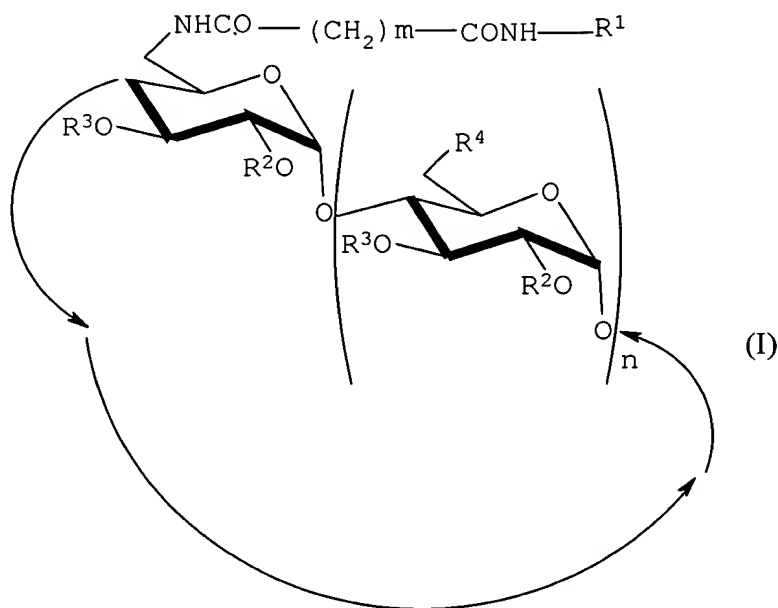
where m is as defined above, to obtain the derivative according to the formula:



wherein all the R^8 represent OR^2 , or one of the R^8 represents $\text{—NHCO—(CH}_2\text{)}_m\text{—COOH}$ and the other R^8 represent OR^2 , and R^2 , m and n are as defined above, and

d) react the derivative according to formula (VIII) with a compound according to the formula $\text{NH}_2\text{—R}^1$ to obtain the cyclodextrin derivative according to formula (I) defined above.

29. (Currently Amended) Method to prepare a cyclodextrin derivative according to the following formula:



wherein:

- R^1 represents a group derived from a steroid,
- R^2 represents an alkyl or aryl group, substituted if applicable,
- R^3 represents R^2 ,
- all the R^4 represent OR^2 , or

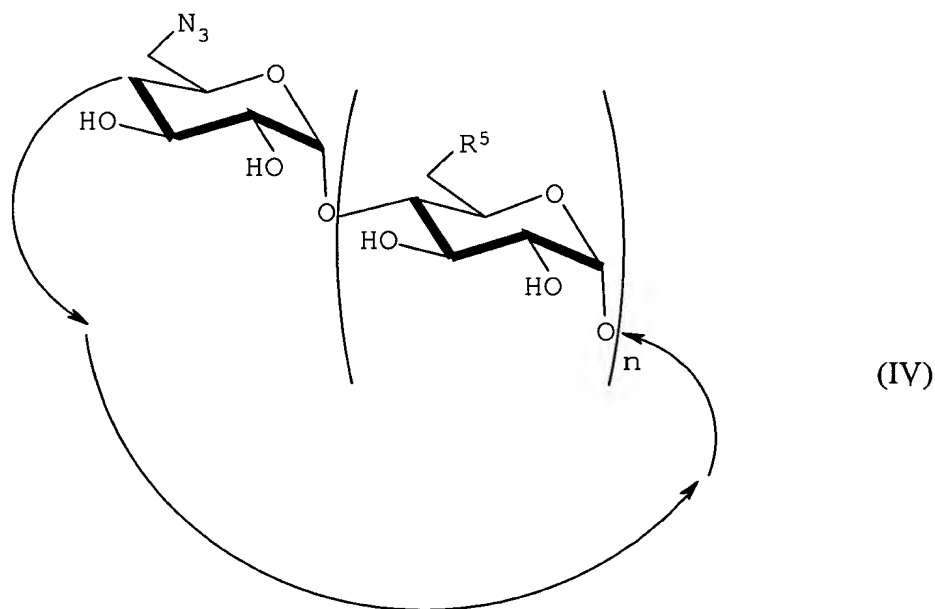
- one of the R^4 represents $-\text{NHCO}(\text{CH}_2)_m\text{CONHR}^1$, and the other R^4 represent OR^2 provided that there is at least one glucose unit where R^4 represents OR^2 between the two glucose units comprising the substituent $-\text{NHCO}-(\text{CH}_2)_m-\text{CONH}-R^1$,

- m is an integer ranging from 1 to 8, and

- n is equal to 5, 6 or 7,

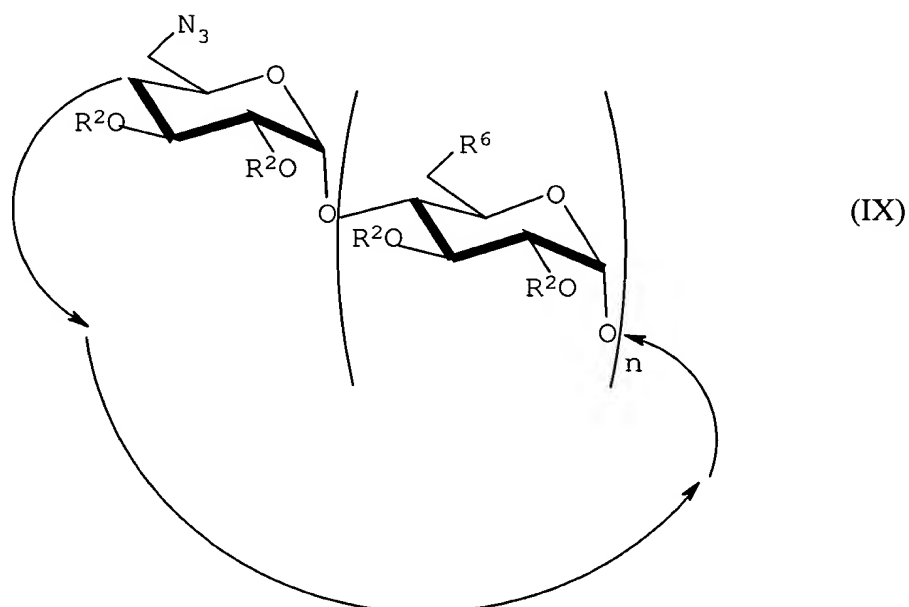
which comprises the following steps:

a) react a derivative according to the formula:



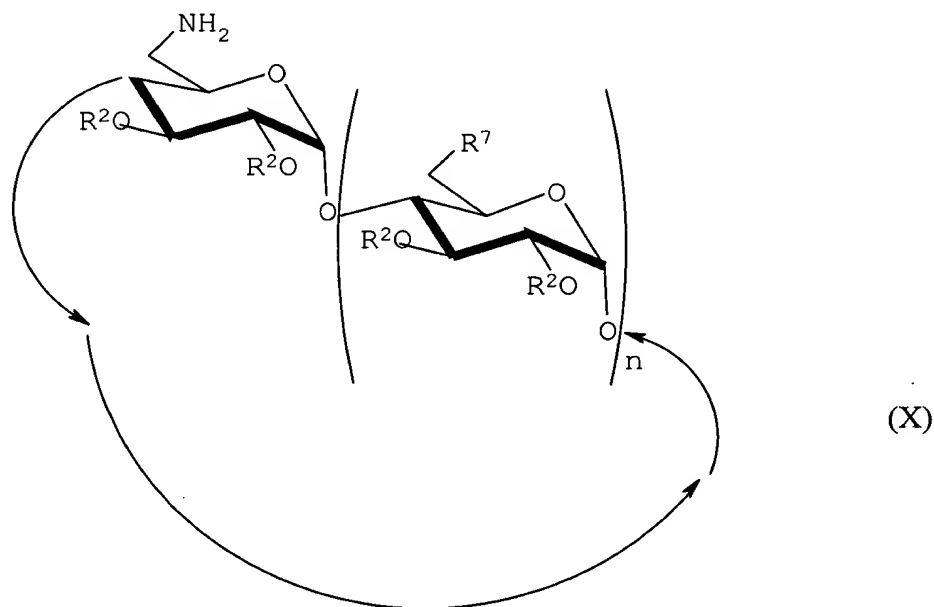
wherein all the R^5 represent OH, or one of the R^5 represents $-\text{N}_3$ and the other R^5 represent OH, provided that there is at least one glucose unit where R^5 represents OH between the two glucose units comprising the N_3 substituent, and n is equal to 5, 6 or 7,

with an iodoalkane according to the formula IR^2 wherein R^2 has the significance given above, in the presence of NaH to obtain the cyclodextrin derivative according to the formula:



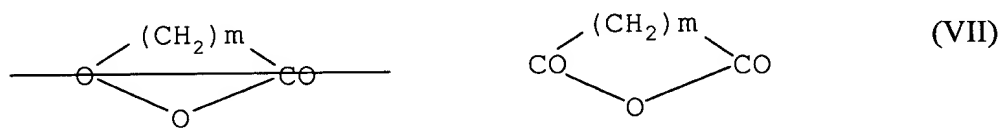
wherein all the R^6 represent OR^2 , or one of the R^6 represents N_3 and the other R^6 represent OR^2 , and R^2 and n are as defined above,

b) perform a Staudinger reaction on the derivative according to formula (IX) using triphenylphosphine and ammonia to convert N_3 into NH_2 and obtain the derivative according to the formula:

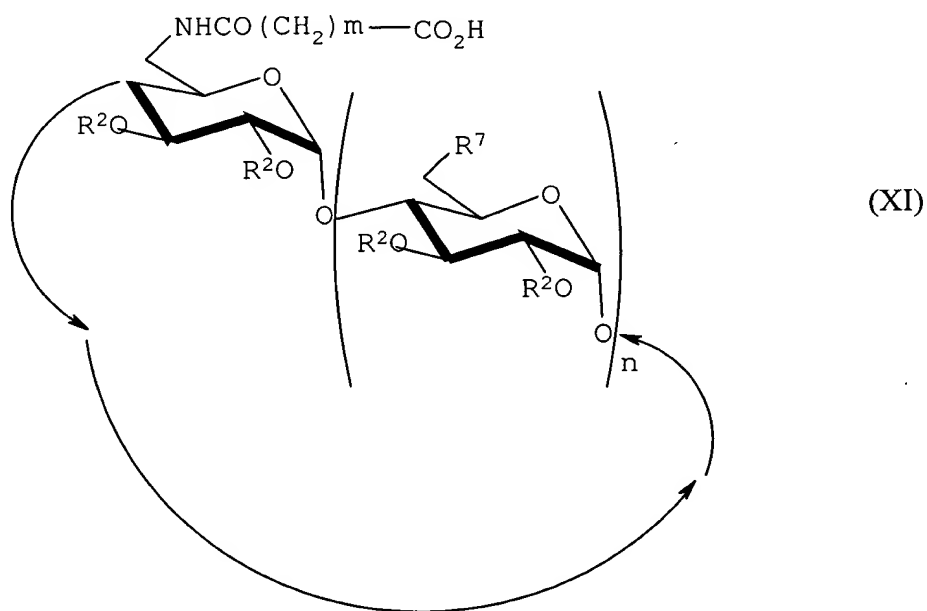


wherein all the R^7 represent OR^2 , or one of the R^7 represents NH_2 and the other R^7 represent OR^2 , and R^2 and n are as defined above,

c) react the derivative according to formula (X) with an acid anhydride according to the formula:



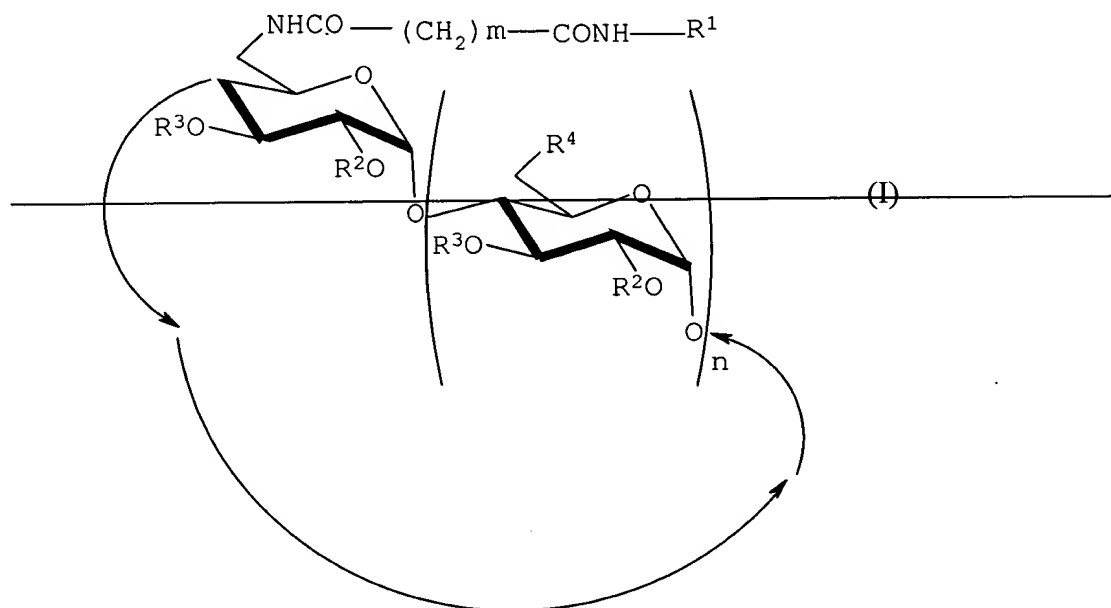
where m is as defined above, to obtain the derivative according to the formula:



wherein all the R^7 represent OR^2 , or one of the R^7 represents $-NHCO-(CH_2)_m-COOH$ and the other R^7 represent OR^2 , and R^2 , m and n are as defined above, and

d) react the derivative according to formula (XI) with a compound according to the formula NH_2-R^1 to obtain the cyclodextrin derivative according to formula (I) defined above.

30. (Currently Amended) Inclusion complex of a cyclodextrin derivative according to the following formula:



wherein:

— R^1 represents a group derived from a steroid;

— R^2 represents an alkyl or aryl group, substituted if applicable;

— R^3 represents H or R^2 ;

—all the R^4 represent OR^2 ; or

—one of the R^4 represents $NHCO(CH_2)_mCONHR^1$; and the other R^4 represent OR^2

provided that there is at least one glucose unit where R^4 represents OR^2 between the two

glucose units comprising the substituent $NHCO-(CH_2)_m-CONH-R^1$;

— m is an integer ranging from 1 to 8; and

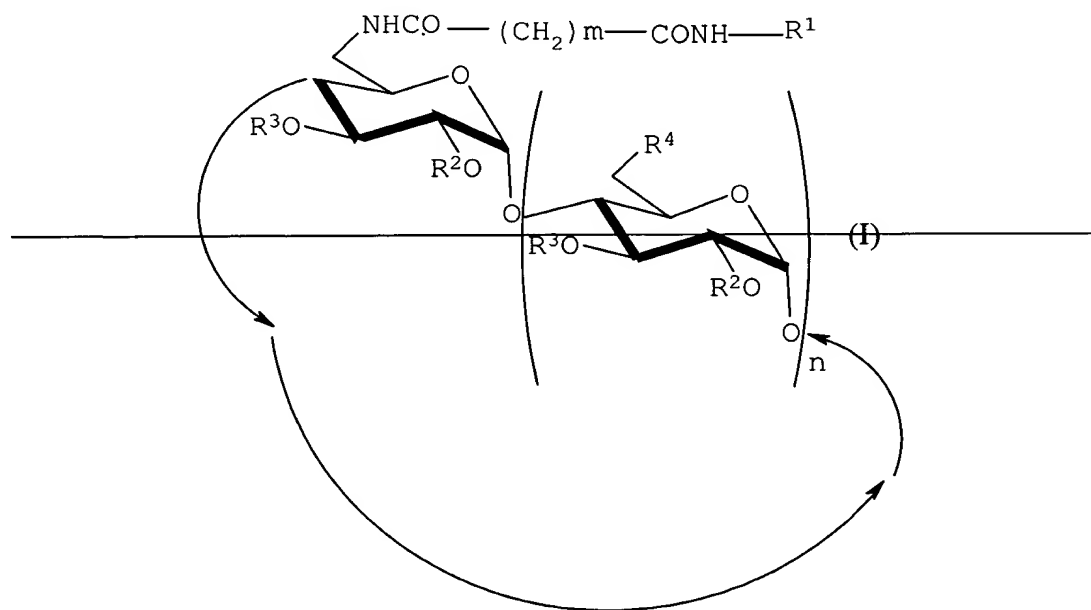
— n is equal to 5, 6 or 7;

comprising mono-6-(cholest-5-en-3 α -ylamide)succinylamide-6-deoxy-2,2',2'',2''',2''''',2''''''',2''''''''',6',6'',6''',6''''',6''''''',6''''''''-trideca-O-methyl-cyclomaltoheptaose and a hydrophobic compound.

31. (Previously Presented) Complex according to claim 30, wherein the hydrophobic compound is chosen from steroids, neurotropes, bacteriostatics, vitamins, vascular wall tonics and contrast agents.

32. (Previously Presented) Complex according to claim 30, wherein the hydrophobic compound is chosen from 16-iodo-3-methylhexadecanoic acid, dothiepin, chloramphenicol, vitamin A and esculin.

33. (Currently Amended) Aqueous solution of nanoparticles of ~~a cyclodextrin derivative complying with the formula:~~



— wherein:

~~—R¹ represents a group derived from a steroid,~~

~~—R² represents an alkyl or aryl group, substituted if applicable,~~

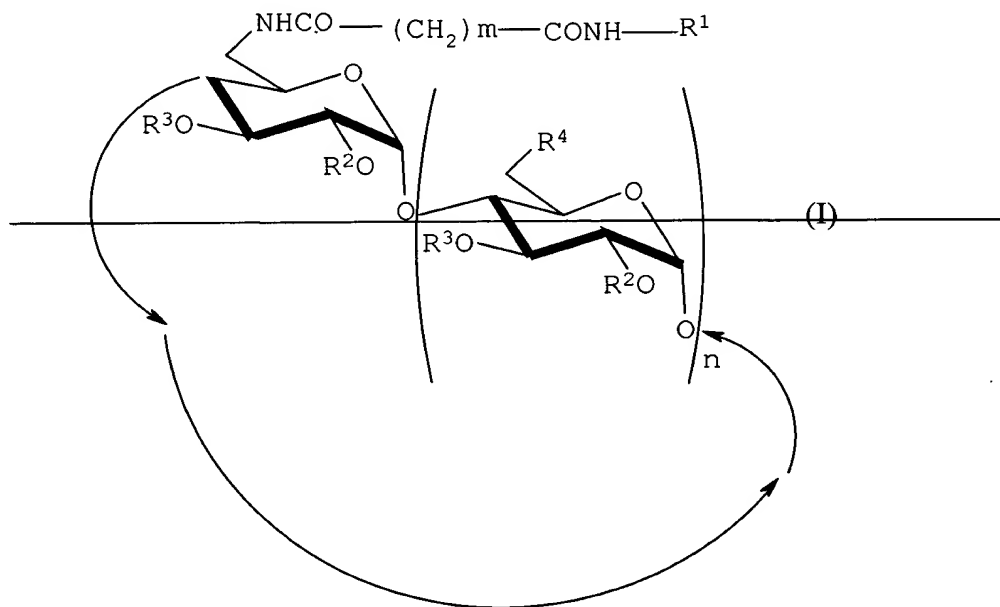
~~one of the R⁴ represents NHCO(CH₂)_mCONHR¹, and the other R⁴ represent OR²~~

provided that there is at least one glucose unit where R^4 represents OR^2 between the two glucose units comprising the substituent $-NHCO-(CH_2)_m-CONH-R^1$;

~~n is equal to 5, 6 or 7,~~

mono-6-(cholest-5-en-3 α -ylamide)succinylamide-6-deoxy-2,2',2'',2''',2''''',2''''',2''''',6',
6'',6'''',6''''',6''''',6''''''-trideca-O-methyl-cyclomaltoheptaose or an inclusion complex
according to claim 30.

34. (Currently Amended) Organized surfactant system comprising a cyclodextrin derivative complying with the formula:



~~-R⁺ represents a group derived from a steroid,~~

~~-R² represents an alkyl or aryl group, substituted if applicable,~~

~~-R³ represents H or R²,~~

~~-all the R⁴ represent OR², or~~

~~-one of the R⁴ represents NHCO(CH₂)_mCONHR¹, and the other R⁴ represent OR²~~

~~provided that there is at least one glucose unit where R⁴ represents OR² between the two glucose units comprising the substituent NHCO (CH₂)_m CONH R¹,~~

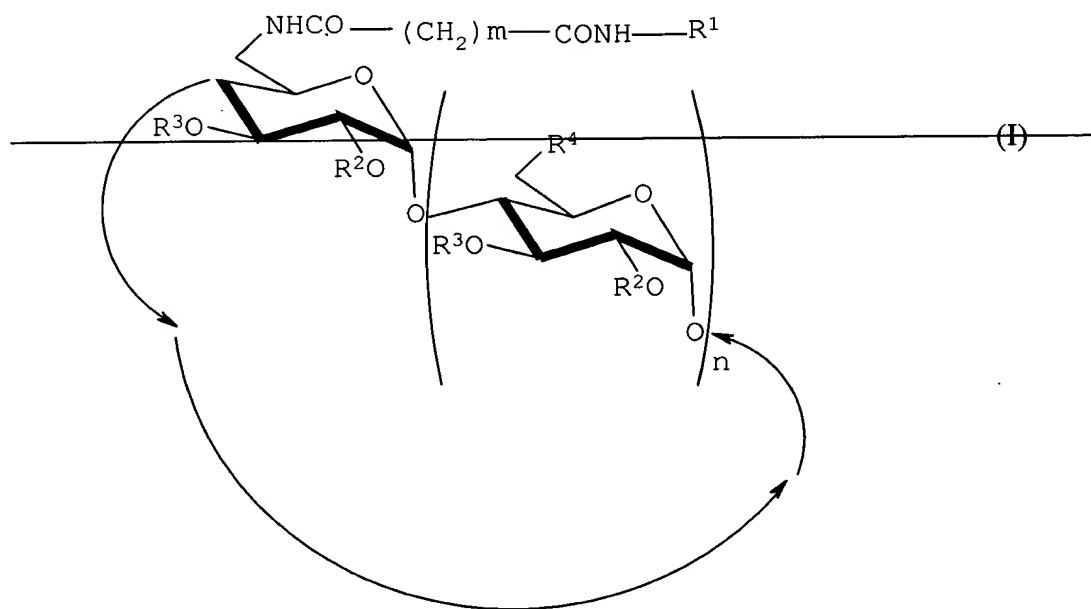
~~-m is an integer ranging from 1 to 8, and~~

~~-n is equal to 5, 6 or 7,~~

mono-6-(cholest-5-en-3 α -ylamide)succinylamide-6-deoxy-2,2',2'',2''',2''''',2''''',2''''',6',6'',6''',6''''',6''''',6''''',-trideca-O-methyl-cyclomaltoheptaose or an inclusion complex according to claim 30.

35. (New) System according to claim 34 wherein the surfactant is a phospholipid.

36. (Currently Amended) Aqueous solution comprising in solution a combined system formed from phospholipid or membrane protein vesicles, and ~~at least one cyclodextrin derivative complying with the formula:~~



~~one of the R⁴ represents NHCO(CH₂)_mCONHR¹, and the other R⁴ represent OR²~~

~~n is equal to 5, 6 or 7,~~

complex according to claim 30.

SUPPORT FOR THE AMENDMENT

Claims 17, 28-30, 33, 34, and 36 have been amended.

The amendment of Claims 17, 28-30, 33, 34, and 36 is supported by the corresponding claims as originally presented, as well as the specification as filed. The amendment to formula VII to make the structure properly provide an acid anhydride rather than a peracid is supported throughout the specification and the Examples, as well as by the certified English translation of the priority application FR 99/05460. Applicants note that omission of the carbon atom in the acid anhydride is an obvious error, as is its solution.

No new matter has been added.